

## CONTENTS OF VOLUME 28

### *Number 1*

A Note on Vibrations of Elliptical Plates Carrying Concentric, Concentrated Masses . . . . .	1
M. SONENBLUM, E. GIL, P. A. A. LAURA, C. P. FILIPICH, A. BERGMAN & H. C. SANZI (Argentina)	
Acoustic Interactions with Surface-adhered Fine Particles . . . . .	9
K. W. MONTZ, P. B. BUTLER & J. K. BEDDOW (USA)	
A New Error Index for the Determination of the Number of Averages in Transfer-function Estimation . . . . .	21
TAKAHIKO ONO, KIMINORI YAMAGUCHI, HIDEO SUZUKI, JUN'ICHI KAWAURA & MASANAO OHASHI (Japan)	
A Brief Summary of Sound Intensity Measurements and Their Application to Noise Control . . . . .	37
N. TANDON (India)	
Vibration Analysis of Plates with Cutouts by the Modified Rayleigh–Ritz Method . . . . .	49
K. Y. LAM, K. C. HUNG & S. T. CHOW (Singapore)	
<b>Technical Notes</b>	
Inequality Relationships for Validation of Data Collected by Automatic Continuous Sound Level Analysers . . . . .	61
ANDREW H. P. LAU & GABRIEL C. K. LAM (Hong Kong)	
The Optimal Design of Dynamic Absorber in the Time Domain and the Frequency Domain . . . . .	67
Y. Z. WANG & S. H. CHENG (Taiwan)	
Calendar . . . . .	79

### *Number 2*

Obituary . . . . .	81
Experimental Verification of a Short Method for the Determination of the Acoustical Insulation Index of Party Walls . . . . .	83
ALESSANDRO COCCHI & MASSIMO GARAI (Italy)	
Calibration of Accelerometers by Use of an Optical Fibre Vibration Sensor . . . . .	95
V. MOHANAN, B. K. ROY & V. T. CHITNIS (India)	
Characterising Structure-borne Sound from Domestic Appliances . . . . .	105
M. L. S. VERCAMMEN & P. H. HERINGA (The Netherlands)	
Improvement of Partition Airborne-Sound Transmission Loss using Sound-Absorptive Coverings . . . . .	119
A. TROCHIDES (Greece)	
Industrial Noise: Some of its Effects on Human Beings . . . . .	127
ANA MARIA VERZINI DE ROMERA (Argentina)	
<b>Technical Notes</b>	
An Application of Noise Analysis to Quality Control . . . . .	147
G. N. WHALLEY & N. G. HEMINGWAY (UK)	

A Case Study on Noise Reduction . . . . .	153
R. CRAMPTON & G. J. McNULTY (UK)	

Calendar . . . . .	165
--------------------	-----

*Number 3*

An Empirical Formula for Predicting the Attenuation given by Double Hearing Protection (Earplugs and Earmuffs) . . . . .	169
--	-----

A. DAMONGEOT, R. LATAYE & A. KUSY (France)

Qualification of Room Diffusion for Absorption Measurements . . . . .	177
---	-----

J. L. DAVY, W. A. DAVERN & P. DUBOUT (Australia)

A Study of the Analogue Compensating Monopole System for Active Attenuation of Noise in a Duct . . . . .	187
--	-----

JILUO ZHOU & TIELIN SHI (People's Republic of China)

Prediction of Traffic Noise from Expressways—Part I: Buildings Flanking One Side of Expressways . . . . .	203
---	-----

C. H. CHEW (Singapore)

**Technical Notes**

Vibration and Wear Detection in Rotating Machinery by Acoustic Analysis . . . . .	213
---	-----

C. W. STAMMERS (UK)

Measurement of the Noise Level at Queen Alia Airport and its Effect on Employed Persons. . . . .	221
--	-----

R. N. S. HAMMAD, M. K. ABDELAZEEZ & B. SHARQAWI (Jordan)

The Effect of an Absorbent Lining on the Natural Frequencies and Modal Damping Factors of a Small Room . . . . .	229
--	-----

A. CRAGGS & C. J. BUMA (Canada)

Book Reviews . . . . .	241
------------------------	-----

Calendar . . . . .	243
--------------------	-----

*Number 4*

Short $L_{eq}$ : A New Acoustic Measuring Technique . . . . .	247
ALAN D. WALLIS (UK)	

Evaluation of Industrial Noise in Jordan . . . . .	253
--	-----

S. M. HABALI, B. A. JUBRAN, M. A. HAMDAN &

M. K. ABDELAZEEZ (Jordan)

A Noise and Vibration Survey in an Underground Railway System . . . . .	263
---	-----

V. MOHANAN, OMKAR SHARMA & S. P. SINGAL (India)

Prediction of $L_{Aeq}$ for Motor Racing Noise. . . . .	277
---	-----

M. DEARDEN & A. W. JENNISON (UK)

Introducing Undergraduates to Modal Analysis Using a Structured Laboratory Package . . . . .	285
--	-----

G. M. CHAPMAN & J. TURNBULL (UK)

**Technical Notes**

Free and Forced Vibrations of a Simply Supported Rectangular Plate Partially Embedded in an Elastic Foundation . . . . .	295
--	-----

DANIEL AVALOS, HILDA LARRONDO & PATRICIO A. A. LAURA  
(Argentina)

Influence of Sealing Profile on the Interaction between Air Infiltration and Airborne Sound Insulation of Gaps . . . . .	301
--	-----

JOZEF ZAJAC (Czechoslovakia)

Calendar . . . . .	319
--------------------	-----

